410 Rec'd PCT/PTO  1 5 MAY 2000

| Form PTO-1390<br>(REV. 9-98) | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br>160383.90171 |
|---|---|---|
| **TRANSMITTAL LETTER TO THE UNITED STATES**<br>**DESIGNATED/ELECTED OFFICE (DO/EO/US)**<br>**CONCERNING A FILING UNDER 35 U.S.C. 371** | | US. APPLICATION NO. (if known, see 37 CFR1.5)<br>09/554552 |

| INTERNATIONAL APPLICATION NO.<br>PCT/FR 98/ 02484 | INTERNATIONAL FILING DATE<br>20 Nov 1998 (20.11.98) | PRIORITY DATE CLAIMED<br>21 Nov 1997 (21.11.97) |
|---|---|---|

TITLE OF INVENTION
Process for Navigating on a Computer Network and Fax Machine for Implementing the Process

APPLICANT(S) FOR DO/EO/US
Laurent Gavoille and Dominique Cazin

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  [X] This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2.  [ ]  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3.  [ ]  This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).

4.  [ ]  A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.

5.  [X] A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    a. [ ]  is transmitted herewith (required only if not transmitted by the International Bureau).
    b. [X] has been transmitted by the International Bureau.
    c. [ ]  is not required, as the application was filed in the United States Receiving Office (RO/US)

6.  [X] A translation of the International Application into English (35 U.S.C. 371(c)(2)).

7.  [ ]  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    a. [ ]  are transmitted herewith (required only if not transmitted by the International Bureau).
    b. [ ]  have been transmitted by the International Bureau.
    c. [ ]  have not been made; however, the time limit for making such amendments has NOT expired.
    d. [ ]  have not been made and will not be made.

8.  [ ]  A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9.  [X] An <u>unsigned</u> oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. [X] A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern document(s) or information included:**

11. [X]  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. [ ]  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. [X]  A FIRST preliminary amendment.
    [ ]  A SECOND or SUBSEQUENT preliminary amendment.

14. [ ]  A substitute specification.

15. [ ]  A change of power of attorney and/or address letter.

16. [X]  Other items or information: Return postcard

| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br>**09/554552** | INTERNATIONAL APPLICATION NO.<br>PCT/FR 98/02484 | ATTORNEY'S DOCKET NUMBER<br>160383.90171 |
|---|---|---|

17. [ X ] The following fees are submitted:

**BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):**

| | CALCULATIONS PTO USE ONLY | |
|---|---|---|

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ......................................................... **$970.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ................................. **$840.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .......................... **$690.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) .......................... **$670.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ................................. **$96.00**

**ENTER APPROPRIATE BASIC FEE AMOUNT =** | $ 840.00 |

Surcharge of **$130.00** for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | $ |

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
|---|---|---|---|---|---|
| Total claims | 10 -20 = | 0 | X **$18.00** | $ | |
| Independent claims | 1 -3 = | 0 | X **$78.00** | $ | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + **$260.00** | $ | |

**TOTAL OF ABOVE CALCULATIONS =** | $ |

Reduction by 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28). | $ |

**SUBTOTAL =** | $ |

Processing fee of **$130.00** for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.429(f)). + | $ |

**TOTAL NATIONAL FEE =** | $ |

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00** per property + | $ |

**TOTAL FEES ENCLOSED =** | $ 840.00 |

| | Amount to be: refunded | $ |
|---|---|---|
| | Charged | $ |

a. [ ] A check in the amount of $____.00 to cover the above fees is enclosed.

b. [X] Please charge my Deposit Account No. __17-0055__ in the amount of $____.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. __17-0055__. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

Michael J. McGovern
Quarles & Brady LLP
411 East Wisconsin Ave.
Milwaukee, WI 53202-4497

_____
SIGNATURE

Michael J. McGovern
NAME

28,326
REGISTRATION NUMBER

Express Mail No. EL 634 371 979 US

PATENT

Docket No.160383.90171

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:     Gavoille

Appl. No.:     National Phase of PCT/FR 98/02484

Filed:         May 15, 2000

For:           **PROCESS FOR NAVIGATING ON A COMPUTER NETWORK AND FACSIMILE MACHINE FOR IMPLEMENTING THE PROCESS**

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### PRELIMINARY AMENDMENT

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BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C.   20231

Sir:

    Please enter the following preliminary amendment in the patent application transmitted herewith prior to calculation of the filing fee.

### Amendment

IN THE ABSTRACT:
    Last line, delete "Figure 2".


IN THE SPECIFICATION:
    Page 1, before line 1 of the text, please insert the heading --DESCRIPTION OF THE BACKGROUND ART--.
    Page 1, between lines 22 and 23, please insert the heading --SUMMARY OF THE INVENTION--.
    Page 1, line 23, change "To this end," to - To overcome the problems in the prior art,-.
    Page 2, between lines 15 and 16, insert the heading "BRIEF DESCRIPTION OF THE DRAWINGS".

QBMKE\4555955.1

Page 2, between lines 23 and 24, please insert the heading "DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS-.

IN THE CLAIMS:

Please amend claims 3, 4, 5, 8, 9 and 10 as follows:

In claim 3, line 1, change " one of claims 1 and 2" to --claim 1--.

In claim 4, line 1, change "one of claims 1 to 3" to --claim 1--.

In claim 5, line 1, change "one of claims 1 to 4" to --claim 1--.

In claim 8, line 1, change "one of claims 6 and 7" to --claim 6--.

In claim 9, line 1, change "one of claims 6 to 8" to --claim 6--.

In claim 10, line 1, change "one of claims 6 to 8" to --claim 6--.

## Remarks

The Abstract has been amended to delete the reference to the drawing figure. The specification has been amended to insert headings at the proper places. The claims have been amended to remove multiple claims dependencies for purposes of calculating the filing fee.

Respectfully submitted,
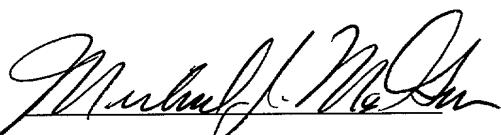
By: _[signature]_

Michael J. McGovern
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411 East Wisconsin Avenue
Milwaukee, WI 53202-4497
(414) 277-5000
Attorney of Record

## Process for navigating on a computer network and facsimile machine for implementing the process.

In order to obtain the information he requires, the user of a PC connected to a computer network such as that of the INTERNET must be able to determine the address of the relevant server. Once connected, the server transmits back a presentation page with text and various zones each permitting, by clicking thereon with the mouse of the PC, another page of the same type to be called up, containing, for example, more detailed information on the subject presented in the zone selected by the mouse.

These zones thus make it possible to control rerouting of the call to various pages of the server and, in particular, to connect to another server depending on the information being sought. For this reason these zones for selection of other pages are called links, uniting the addresses of the servers to the subjects which they present therein even if the addresses thereof are not known.

The rerouting thus carried out by these links constitutes navigation between servers of the INTERNET.

This navigation, which may take considerable time, necessitates having a good perception of the context surrounding the link which will be selected in order to chose the most relevant of the subjects or pages proposed by the various servers. This is the reason why the page displayed on the screen of the PC comprises quite a large number of indications, text and image, to assist in choosing the following page.

However, the applicant has desired to be able to navigate on the INTERNET at least in order to determine the address of the most relevant server, using a device, such as a facsimile machine, having a screen of only limited size much too small to display an entire page. For this reason the applicant proposes his invention.

To this end, the invention firstly relates to a process of navigating on a computer network with a data processing device comprising, on the one hand, a screen smaller than the size of a server page which comprises information and zones for selecting other pages and, on the other hand, means for designating a zone of the screen, a process in which the selection zones are displayed on the screen to the exclusion of the information, and another page is called up by designating one of the displayed zones.

1

It is thus possible, with very basic means, to control the necessary reroutings by the selection zones, or links, in order to reach the relevant server and to know the address thereof. The information supplied by the server can be stored in the device and reconstructed by any visual or audible user-machine interface means, for example by scrolling on the screen.

If the data processing device comprises a printer the screen is advantageously artificially enlarged to the size of the server page by printing the whole thereof.

It is thus possible to edit a page, either during navigation in order to have a better grasp of the context of the selection zones, thus checking the relevancy of the information of the page to decide whether or not to pursue the navigation, or at the end of navigation in order to edit the relevant information.

The invention also relates to a facsimile machine for implementation of the process of the invention, comprising means for receiving pages of electronic information associated with means for page analysis, arranged to detect therein zones for selection of other pages and to supply them as a block to display means associated with means for designating a displayed zone and controlling means for calling a server of another page.

The invention will be better understood with the aid of the following description of a preferred embodiment of the process of the invention with reference to the attached drawing in which:
- Figure 1 is a block diagram of a facsimile machine connected to an INTERNET server for implementation of the process of the invention, and
- Figure 2 is a diagram illustrating the process.
In this case the computer network 1 for data transmission is the INTERNET and comprises servers such as those referenced 2 and 3.

The data processing device 5 is in this case a facsimile machine arranged to hold a dialogue with INTERNET servers and which is connected by a telephone line 7 to the INTERNET 1. It comprises a memory 50 for transmission of commands on the INTERNET 1 and for reception of server pages comprising information and zones for selecting other pages. The memory 50 controls, via a circuit 53 for conversion of the information received such as text or images in HTML format into pixels, a printer 54, which is provided in this case, and controls a screen 52 via a page analysis circuit 51.

A keyboard or control desk 55 is also provided to control, in particular, a circuit 57 for transmission of calls to the servers such as 2, 3 and for management of exchanges therewith in relation to the memory 50.

A keypad 56 is also provided having four navigation keys controlling a visible cursor on the screen 52; a mouse may also be provided.

Figure 2 illustrates the graphics aspects of the process. A hypertext or HTML format page 11 received from a server 2 or 3 called via the line 7, comprises information relating to the subject for which the server 2, 3 is consulted, as well as zones 12 for selection of other hypertext pages of the same server or, in a general manner, of other servers 2, 3. The zones 12 or links thus represent the addresses of the corresponding pages 121, 122, 123, 124 and 125 able to be called automatically by the user of the facsimile machine 5.

In accordance with the process of the invention the selection zones 12, excluding the information 13, are displayed on the screen 52 and another page 121 to 125 is called by designating one of the zones 12 displayed.

The five arrows F1 illustrate the function of the circuit 51 which analyses the current page 11 in order to locate thereon, according to the header symbols, the zones 12, in this case five zones, and to supply them to the screen 52 in order to display them as a block of data. The screen 52 in this case comprises four lines, each permitting one of the zones 12 to be displayed. The fifth zone 12 falling outside the screen 52 is illustrated in broken lines below the screen so that the zones 12 are scrolled in order for them all to be read since the total size of the zones exceeds that of the screen 52.

In order to select one of the displayed zones 12 the navigation keys 56 make it possible to displace a cursor from one line to another of the screen 52 and the keyboard 55 makes it possible to confirm the choice and activate the circuit 57 to call up the following page thus selected (arrow F2).

It is also possible to make provision for displaying fields for inputting data, such as passwords, fields which are associated, by the keys 56, with the keyboard 55, then serving to input the data of the field considered.

However, in order to be able to peruse the information 13, the keyboard 55 makes it possible to control a transition to an alternating mode, in which the screen 52 alternately displays the

zones 12 and a window, the size of the screen 52, scanning the page 11, the scanning being controlled by the keys 56.

Furthermore, the user can - at any moment - print (arrow F3) the current page 11 on the printer 54 or call up and print one of the following pages 121 to 125 under the control of the keyboard 55, the circuit 53 carrying out the conversion of the received information forming the page, including the zones 12, into a page in pixel format. The user can thus have a better perception of the context of his navigation and can keep a printed record of the information sought. In other words, the screen 52 is artificially enlarged to the size of the page 11 by printing the whole thereof.

The memory 50 also makes it possible, under the control of the keyboard 55, to store the address associated with the page displayed and thus to be able to call it up later.

Provision is also made that it is possible, using the keyboard 55, to input a request to recall a previous page 11, ie. the memory 50 retains the corresponding data and/or the address for access to the page. The keyboard 55 also makes it possible to request, under control of the circuit 57, repetition of the sending of a server page 11, for example, if this page has been affected by transmission errors. In the same way, the keyboard 55 makes it possible to stop a search currently in progress on the INTERNET 1.

CLAIMS

1   Process of navigating on a computer network with a data processing device comprising, on the one hand, a screen (52) smaller than the size of a server page (11) which comprises information (13) and zones (12) for selecting other pages (11) and, on the other hand, means (55, 56) for designating a zone (12) of the screen (52), a process in which the selection zones (12) are displayed on the screen (52) to the exclusion of the information (13), and another page (121 to 125) is called up by designating one of the displayed zones (12).

2   Process according to claim 1, wherein data input fields are also displayed, which are associated, using the designation means (55, 56), with input means (55).

3   Process according to claim 1, wherein the selection zones (12) are made to scroll when the total size thereof exceeds that of the screen (52).

4   Process according to claim 1, wherein the data processing device comprising a printer, the screen (52) is artificially enlarged to the size of the server page (11) by printing (54) the whole thereof.

5   Process according to claim 1, wherein the selection zones (12) and a window scanning the page (11) are displayed alternately on the screen (52).

6   Facsimile machine for implementation of the process of claim 1, comprising means (50, 58) for receiving pages of electronic information (11) associated with means (51) for analysis of the page (11), arranged to detect therein zones (12) for selection of other pages (121 to 125) and to supply them as a block to display means (52) associated with means (55, 56) for designating a displayed zone (12) and controlling means (57) for calling a server (2, 3) of another page (121 to 125).

7   Facsimile machine according to claim 6, wherein means (50) are provided for storing a designated zone.

8   Facsimile machine according to claim 6, wherein the designation means (55, 56) are arranged in order to recall a previous page on request.

5

9 Facsimile machine according to claim 6, wherein the designation means (55, 56) are arranged to command, by the call means (57), a repetition of the sending of a page (11) by a server.

10 Facsimile machine according to claim 6, wherein means (53) are provided for controlling a printer (54), which are arranged to convert a page in HTML format into a page in pixel format.

# ABSTRACT

**Process for navigating on a computer network
and facsimile machine for implementing the process.**

The process of navigating on a computer network with a data processing device comprising, on the one hand, a screen (52) smaller than the size of a server page (11) which comprises information (13) and zones (12) for selecting other pages (11) and, on the other hand, means for designating a zone (12) of the screen (52), consists of displaying the selection zones on the screen (52) to the exclusion of the information (13), and another page (121 to 125) is called up by designating one of the displayed zones (12).

Figure 2
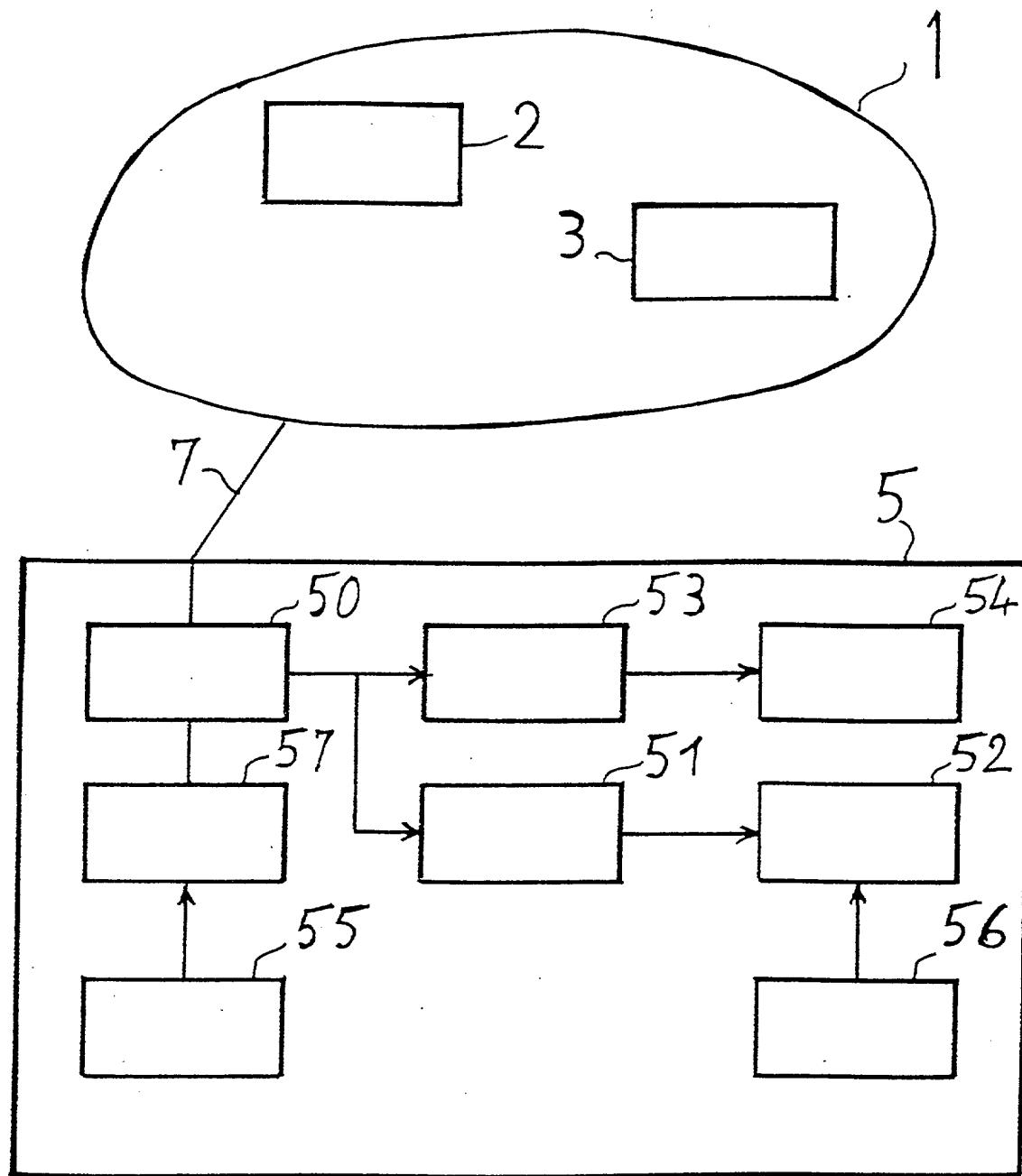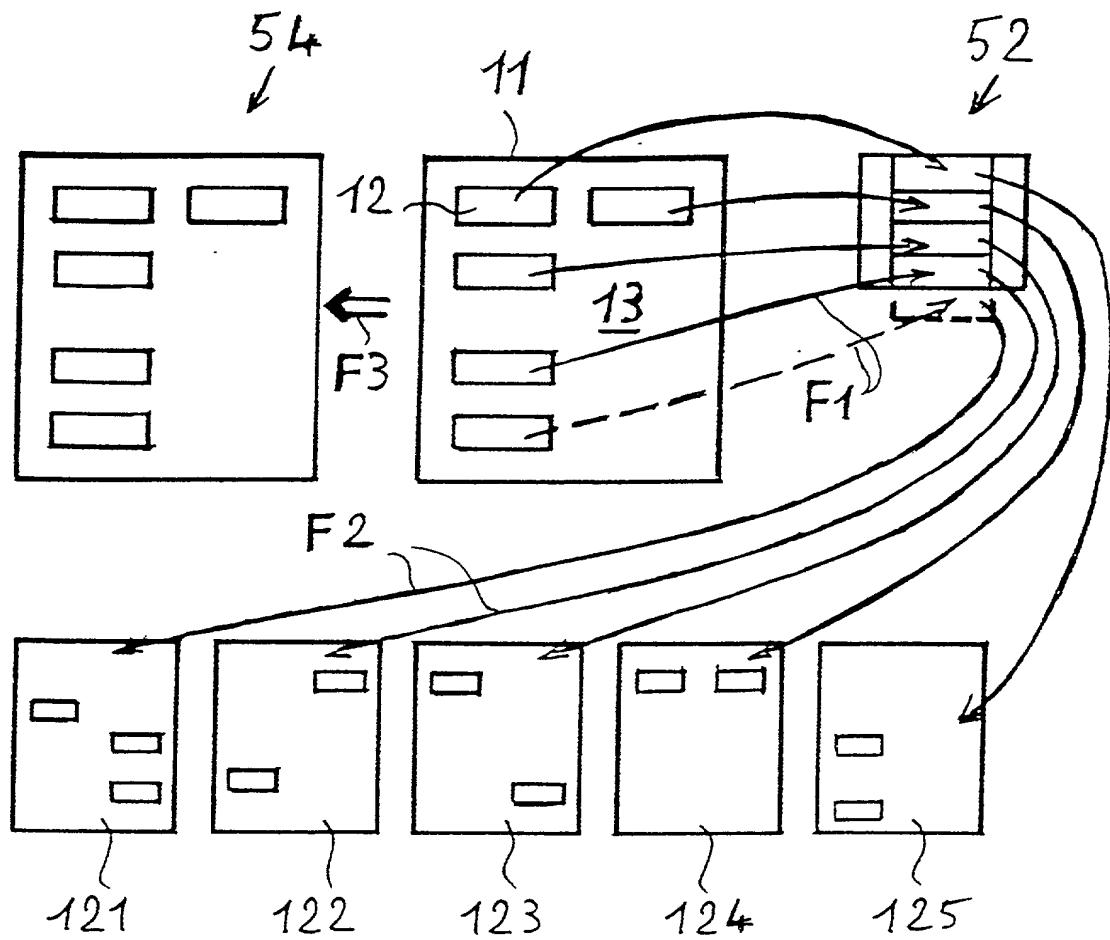
FIGURE 1

FIGURE 2

I hereby certify that this correspondence is being deposited with the U. S. Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Box PCT, Commissioner for Patents, Washington, D.C. 20231.

Date of Signature and Deposit: _July 12, 2000_
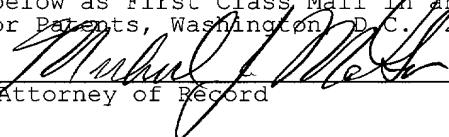
_Attorney of Record_

**PATENT**

Docket No. 160383.90171

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:      Gavoille

Appl. No.:      09/554,552

Filed:          May 15, 2000

For:            PROCESS FOR NAVIGATING
                ON A COMPUTER NETWORK AND
                FACSIMILE MACHINE
                FOR IMPLEMENTING THE PROCESS

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### SUBMISSION OF DOCUMENTS
### IN RESPONSE TO NOTICE TO FILE MISSING REQUIREMENTS

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Box PCT
Commissioner For Patents
Washington, D.C.   20231

Sir:

In response to the Notice to File Missing Requirements dated June 16, 2000, please find transmitted herewith:

  _X_  the original signed declaration;

  _X_  a copy of the Notice of Missing Requirements;

  _X_  a Fee Sheet with the fee for late filing of the declaration and for recording of the Assignment;

  _X_  an Assignment Cover Sheet with an executed Assignment.

Respectfully submitted,
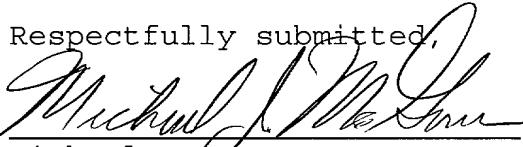
By: _____

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